

Serial No. 09/502,176

Title: *Deglycosylated Kringle 1-3 Region Fragments of Plasminogen and Methods of Use*

Third Amendment and Response to Office Action

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### LISTING OF CLAIMS

1. (Previously Presented) A composition comprising a pharmaceutically acceptable carrier, a protein consisting of a deglycosylated kringle 1-3 region fragment of a plasminogen protein, and, optionally, a protein consisting of a naturally glycosylated kringle 1-3 region fragment of a plasminogen protein, wherein the deglycosylated kringle 1-3 region fragment lacks one or more carbohydrate moieties linked to naturally glycosylated forms of the fragment, wherein the deglycosylated kringle 1-3 region fragment has antiangiogenic activity, and wherein the amount of the naturally glycosylated kringle 1-3 region fragment present in the composition is smaller than the amount of the deglycosylated kringle 1-3 region fragment present in the composition.

2. (Previously Presented) The composition of claim 1, wherein the deglycosylated kringle 1-3 region fragment lacks a bisialylated-biantennary glycan.

3. (Previously Presented) The composition of claim 1, wherein the deglycosylated kringle 1-3 region fragment lacks an N-linked carbohydrate moiety.

4. (Previously Presented) The composition of claim 1, wherein the deglycosylated kringle 1-3 region fragment lacks a carbohydrate chain at amino acid position corresponding to the N-glycosylation site of human plasminogen.

5. (Cancelled)

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6. (Previously Presented) The composition of claim 1, wherein the deglycosylated kringle 1-3 region fragment begins at approximately amino acid 87 of human plasminogen.

7. (Previously Presented) The composition of claim 1, wherein the deglycosylated kringle 1-3 region fragment amino acid sequence is shown in SEQ ID NO:2.

8. (Previously Presented) The composition of claim 1, wherein the deglycosylated kringle 1-3 region fragment is produced recombinantly.

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9. (Previously Presented) The composition of claim 1, wherein the deglycosylated kringle 1-3 region fragment has an amino acid substitution at amino acid position corresponding to the N-glycosylation site of human plasminogen.

10. (Previously Presented) The composition of claim 1, wherein the deglycosylated kringle 1-3 region fragment and the glycosylated form of the fragment are at a ratio of at least 60:40.

11. (Previously Presented) The composition of claim 1, wherein the deglycosylated kringle 1-3 region fragment and the glycosylated form of the fragment are at a ratio of at least 80:20.

12. (Previously Presented) The composition of claim 1, wherein the deglycosylated kringle 1-3 region fragment and the glycosylated form of the fragment are at a ratio of 100:0.

Claims 13-14 (Cancelled)

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15. (Previously Presented) The composition of claim 1, wherein the deglycosylated kringle 1-3 region fragment has antiangiogenic activity *in vitro*.

16. (Previously Presented) The composition of claim 1, wherein the deglycosylated kringle 1-3 region fragment has antiangiogenic activity *in vivo*.

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Claims 17-26 (Cancelled)

27. (Previously Presented) A deglycosylated kringle 1-3 region fragment of a plasminogen protein, wherein the deglycosylated kringle 1-3 region fragment amino acid sequence is shown in SEQ ID NO:2.

28. (Cancelled)

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